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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S99	35	heartlab.as.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 11:19
S100	1	"5053948".pn. AND (delet\$4 eras\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 11:29
S101	1	"5053948".pn. AND (delet\$4 eras\$4 remov\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 13:52
S93	29438	((medical clinical) NEAR4 (image\$1 picture\$1))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 14:07
S104	5	((archiv\$3 backup (back\$3 ADJ1 up)) NEAR8 (medical)) AND ((dvd cd) NEAR4 (application\$1 program\$1 viewer\$1))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 14:08
S103	753	S102 AND (index\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 14:08
S19	3	((archiv\$3 backup (back\$3 ADJ1 up)) NEAR8 (medical)) AND ((dvd cd) NEAR4 (application\$1 program\$1 viewer\$1))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 14:08
S105	491	((medical clinical) NEAR4 (image\$1 picture\$1)) NEAR6 (backup archiv\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 14:10
S106	100	S105 AND index\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 14:11

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S10 2	2730	((medical clinical) NEAR4 (image\$1 picture\$1)) AND (backup archiv\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 14:12
S10 7	10	(((medical clinical) NEAR4 (image\$1 picture\$1)) AND (backup archiv\$4) AND index\$3).clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 14:15
S10 8	124	(((medical clinical) NEAR4 (image\$1 picture\$1)) AND (backup archiv\$4)).clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 14:25
S10 9	16	707/204.ccls. AND ((medical clinical) NEAR4 (image\$1 picture\$1))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 14:29
S11 0	1094	((medical clinical) NEAR4 (image\$1 picture\$1)) WITH (cd dvd optical)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 14:30
S11 2	46	S111 AND ((cd dvd optical) NEAR10 index\$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 14:31
S11 1	276	S110 AND ((cd dvd optical) NEAR10 (software\$1 program\$1 application\$1 viewer\$1))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 14:31
L1	14318	707/204,104.1,10.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/30 17:37
L2	4	1 AND (((medical\$2 clinic\$4) NEAR4 (image\$1 picture\$1 data)) AND (archiv\$3 backup\$3) AND index\$3).clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/30 17:39

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L4	688	(((medical\$2 clinic\$4) NEAR4 (image\$1 picture\$1 data)) NEAR6 (archiv\$3 backup\$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/30 17:40
L3	6	"707"/\$.ccls. AND (((medical\$2 clinic\$4) NEAR4 (image\$1 picture\$1 data)) AND (archiv\$3 backup\$3) AND index\$3).clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/30 17:40
L7	7	6 AND "707"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/30 17:41
L6	66	4 AND 5	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/30 17:41
L5	1763	(((medical\$2 clinic\$4) NEAR4 (image\$1 picture\$1 data)) NEAR6 (cluster\$3 group\$3 segment\$6))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/30 17:41

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 [Data grid for large-scale medical image archive and analysis](#)

H. K. Huang, Aifeng Zhang, Brent Liu, Zheng Zhou, Jorge Document, Nelson King, L. W. C. Chan

November 2005 **Proceedings of the 13th annual ACM international conference on Multimedia MULTIMEDIA '05**

**Publisher:** ACM Press

Full text available:  [pdf\(2.03 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Storage and retrieval technology for large-scale medical image systems has matured significantly during the past ten years but many implementations still lack cost-effective backup and recovery solutions. As an example, a PACS (Picture Archiving and Communication system) in a general medical center requires about 40 Terabytes of storage capacity for seven years. Despite many healthcare centers are relying on PACS for 24/7 clinical operation, current PACS lacks affordable fault-tolerance storage ...

**Keywords:** PACS, bone age assessment of children, computational services, data grid, fault-tolerance archive, grid computing, image analysis, image data mining

**2** [Simulation of a hospital picture archiving and control system \(PACS\)](#) 

 G. R. Lawrence, G. A. Marin, S. E. Naron

December 1985 **Proceedings of the 17th conference on Winter simulation WSC '85**

**Publisher:** ACM Press

Full text available:  [pdf\(793.68 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

The nation's hospitals have long used distributed data processing as a means of reducing operational costs and providing timely service. Radiology Departments are now also taking advantage of these facilities in order to decrease the cost of producing and archiving radiological images. Today a typical medium scale hospital consumes large quantities of silver oxide film which, along with attendant labor costs, is expensive compared with costs for digital image processing technology now avail ...

**3** [Posters: A web based medical image data processing and management system](#) 

Jinman Kim, David D. Feng, Tom W. Cai

December 2000 **Selected papers from the Pan-Sydney workshop on Visualisation - Volume 2 VIP '00**

**Publisher:** Australian Computer Society, Inc.

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 Dimitris Papadias, Yufei Tao, Kyriakos Mouratidis, Chun Kit Hui  
 June 2005 **ACM Transactions on Database Systems (TODS)**, Volume 30 Issue 2

**Publisher:** ACM PressFull text available:  [pdf\(3.84 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Given two spatial datasets  $P$  (e.g., facilities) and  $Q$  (queries), an *aggregate nearest neighbor* (ANN) query retrieves the point(s) of  $P$  with the smallest aggregate distance(s) to points in  $Q$ . Assuming, for example,  $n$  users at locations  $q_1, \dots, q_n$ , an ANN query outputs the facility  $p \in P$  that minimizes the *sum* of distances  $\sum_{i=1}^n p q_i$  for  $1 \leq i \leq n$ .

**Keywords:** Spatial database, aggregation, nearest neighbor queries**2 Second-generation image coding: an overview**

 M. M. Reid, R. J. Millar, N. D. Black  
 March 1997 **ACM Computing Surveys (CSUR)**, Volume 29 Issue 1

**Publisher:** ACM PressFull text available:  [pdf\(12.23 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

This article gives an overview of a diverse selection of currently used second-generation image coding techniques. These techniques have been grouped into similar categories in order to allow a direct comparison among the varying methods. An attempt has been made, where possible, to expand upon and clarify the details given by the original authors. The relative merits and shortcomings of each of the techniques are compared and contrasted.

**Keywords:** MRI, compression, image coding**3 Special issue on spatial database systems: A semantic modeling approach for image retrieval by content**

Wesley W. Chu, Ion T. Ieong, Ricky K. Taira  
 October 1994 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 3 Issue 4  
**Publisher:** Springer-Verlag New York, Inc.


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